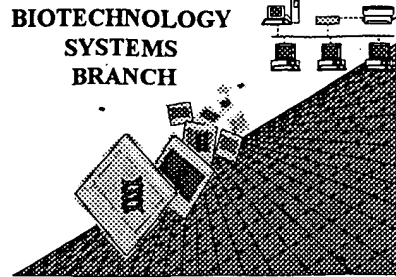


03CC sig 0570 0420 0280

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/006972
Source: CIPE
Date Processed by STIC: 12/20/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood Mail Facility.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, Virginia 22202
4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence,
Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/006,972
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000 <i>follow this format</i>	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIFE

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/006,972

TIME: 13:02:41

Input Set : A:\RTS-0335 Sequence Listing.txt

Output Set: N:\CRF3\12202001\J006972.raw

3 <110> APPLICANT: Kenneth W. Dobie
 5 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPID SCRAMBLASE 3 EXPRESSION
 7 <130> FILE REFERENCE: RTS-0335
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/006,972
 C--> 9 <141> CURRENT FILING DATE: 2001-12-04
 9 <160> NUMBER OF SEQ ID NOS: 94
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 20
 14 <212> TYPE: DNA
 15 <213> ORGANISM: Artificial Sequence
 17 <220> FEATURE:
 19 <223> OTHER INFORMATION: Antisense Oligonucleotide
 21 <400> SEQUENCE: 1
 22 tccgtcatcg ctccctcaggg 20
 25 <210> SEQ ID NO: 2
 26 <211> LENGTH: 20
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 32 <223> OTHER INFORMATION: Antisense Oligonucleotide
 34 <400> SEQUENCE: 2
 35 atgcattctg cccccaagga 20
 38 <210> SEQ ID NO: 3
 39 <211> LENGTH: 1680
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Homo sapiens
 43 <220> FEATURE: *delete - duplicated below*
 45 <220> FEATURE:
 46 <221> NAME/KEY: CDS
 47 <222> LOCATION: (144)...(1031)
 49 <400> SEQUENCE: 3
 50 cggggccggg gtccgagctc gggcccgcct ccgcctccgc cagctcctgt gagctgccga 60
 52 gtgctaggca ccggggctct tctgggggct ccagaactaa gccaccaga caccatcatc 120
 54 tcgaaaacc cagcccttct ccc atg gca ggc tac ttg ccc ccc aaa ggc tac 173
 55 Met Ala Gly Tyr Leu Pro Pro Lys Gly Tyr
 56 1 5 10
 58 gcc cct tcg ccc cca cct ccc tac cct gtc acc cct ggg tac ccg gag 221
 59 Ala Pro Ser Pro Pro Pro Pro Tyr Pro Val Thr Pro Gly Tyr Pro Glu
 60 15 20 25
 62 ccg gcg cta cat cct ggg ccc ggg cag gcg cca gtg ccc gcc cag gta 269
 63 Pro Ala Leu His Pro Gly Pro Gly Gln Ala Pro Val Pro Ala Gln Val
 64 30 35 40
 66 cct gcc cca gct ccc ggc ttc gcc ctc ttc ccc tcg cct ggc ccc gtg 317
 67 Pro Ala Pro Ala Pro Gly Phe Ala Leu Phe Pro Ser Pro Gly Pro Val
 68 45 50 55
 70 gcc ttg ggg tct gct gcc ccc ttc ttg cca ctg cca ggg gtg cct tct 365
 71 Ala Leu Gly Ser Ala Ala Pro Phe Leu Pro Leu Pro Gly Val Pro Ser

pp 1, 4
 Does Not Comply
 Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/006,972

TIME: 13:02:41

Input Set : A:\RTS-0335 Sequence Listing.txt

Output Set: N:\CRF3\12202001\J006972.raw

72	60	65	70	
74	ggc ctc gaa ttc ctg gtg cag att gat cag att ttg att cac cag aag	413		
75	Gly Leu Glu Phe Leu Val Gln Ile Asp Gln Ile Leu Ile His Gln Lys			
76	75	80	85	90
78	gct gag cga gtg gaa acg ttc cta ggc tgg gag acc tgt aat cgg tat	461		
79	Ala Glu Arg Val Glu Thr Phe Leu Gly Trp Glu Thr Cys Asn Arg Tyr			
80		95	100	105
82	gaa ctg cgc tct ggg gcc ggg cag ccc ctg ggt cag gcg gcc gag gag	509		
83	Glu Leu Arg Ser Gly Ala Gly Gln Pro Leu Gly Gln Ala Ala Glu Glu			
84		110	115	120
86	agc aac tgc tgc gcc cgt ctg tgc tgt ggc gcc cgc cgg ccg ctg cgt	557		
87	Ser Asn Cys Cys Ala Arg Leu Cys Cys Gly Ala Arg Arg Pro Leu Arg			
88		125	130	135
90	gtc cgc ctg gcc gac ccc ggg gac cgt gag gtg ctg cgt ttg ctc cgc	605		
91	Val Arg Leu Ala Asp Pro Gly Asp Arg Glu Val Leu Arg Leu Leu Arg			
92		140	145	150
94	ccg ctg cac tgt ggc tgc agc tgc tgc ccc tgt ggc ctc cag gag atg	653		
95	Pro Leu His Cys Gly Cys Ser Cys Cys Pro Cys Gly Leu Gln Glu Met			
96	155	160	165	170
98	gaa gta cag gct cca cca ggc acc acc att ggc cac gtg cta cag acc	701		
99	Glu Val Gln Ala Pro Pro Gly Thr Thr Ile Gly His Val Leu Gln Thr			
100		175	180	185
102	tgg cat ccc ttc ctc ccc aag ttc tcc atc cag gat gcc gat cgc cag	749		
103	Trp His Pro Phe Leu Pro Lys Phe Ser Ile Gln Asp Ala Asp Arg Gln			
104		190	195	200
106	aca gtc ttg cga gtg gtg ggg ccc tgc tgg acc tgt ggc tgt ggc aca	797		
107	Thr Val Leu Arg Val Val Gly Pro Cys Trp Thr Cys Gly Cys Gly Thr			
108		205	210	215
110	gac acc aac ttt gag gtg aag act cgg gat gaa tcc cgc agt gtg ggc	845		
111	Asp Thr Asn Phe Glu Val Lys Thr Arg Asp Glu Ser Arg Ser Val Gly			
112		220	225	230
114	cgc atc agc aag cag tgg ggg ggc ctg gtc cga gaa gcc ctc aca gat	893		
115	Arg Ile Ser Lys Gln Trp Gly Gly Leu Val Arg Glu Ala Leu Thr Asp			
116	235	240	245	250
118	gca gat gac ttt ggc cta cag ttc ccg ctg gac ctg gat gtg agg gtg	941		
119	Ala Asp Asp Phe Gly Leu Gln Phe Pro Leu Asp Leu Asp Val Arg Val			
120		255	260	265
122	aag gct gtg ctg ctg gga gcc aca ttc ctc att gac tac atg ttc ttt	989		
123	Lys Ala Val Leu Leu Gly Ala Thr Phe Leu Ile Asp Tyr Met Phe Phe			
124		270	275	280
126	gag aag cga gga ggc gct ggg ccc tct gcc atc acc agt tag aggccaccat	1041		
127	Glu Lys Arg Gly Gly Ala Gly Pro Ser Ala Ile Thr Ser			
128		285	290	295
130	ggtgtgagga gaccatcacc tcgaccagaa ctccagatgg tcacctgcc tggccctcc	1101		
132	tctgggcagc ccctttctc catgtacact gcaggggaca gaagggggc cccatcccta	1161		
134	ccctaactccc tggcgcctg cccctgtgtg tcccaaggag gggatatgtat gagagccgct	1221		
136	ctcctgtac ctcccaccac tgtccagca gtccctcggc acacaggcat atcagctttc	1281		
138	acactttccc catgcactct ctcccacccc ctccagggc ctctgctcca aaggaggcct	1341		
140	ctggaacca ggactctggg gttttacaag agggctggg tgtggaagg caagctgcac	1401		

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/006,972

TIME: 13:02:41

Input Set : A:\RTS-0335 Sequence Listing.txt

Output Set: N:\CRF3\12202001\J006972.raw

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142 caaagacggt ggatatagcc accgcccccc cgccgctgcc tagcatctgc ttggccaatt 1461
144 agttcagcct cagaccatgg cactttgagg gggctctctac ctcccatca acagctgcag 1521
146 ggggacccca gtgccaactt cctctccac tagggccctg ccttcagctg gtgcttgctg 1581
148 cgattcctgt gccttatgta actgcccttc cttcccttgc cctaggaaaa aggctgcac 1641
150 tttatatgtt acattcatat aaactttgta actttttgg 1680
153 <210> SEQ ID NO: 4
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
160 <223> OTHER INFORMATION: PCR Primer
162 <400> SEQUENCE: 4
163 gtccgagaag ccctcacaga 20
166 <210> SEQ ID NO: 5
167 <211> LENGTH: 19
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
173 <223> OTHER INFORMATION: PCR Primer
175 <400> SEQUENCE: 5
176 gccttcaccc tcacatcca 19
179 <210> SEQ ID NO: 6
180 <211> LENGTH: 27
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
186 <223> OTHER INFORMATION: PCR Probe
188 <400> SEQUENCE: 6
189 cagatgactt tggcctacag ttcccgc 27
192 <210> SEQ ID NO: 7
193 <211> LENGTH: 19
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
199 <223> OTHER INFORMATION: PCR Primer
201 <400> SEQUENCE: 7
202 gaaggtgaag gtcggagtc 19
205 <210> SEQ ID NO: 8
206 <211> LENGTH: 20
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
212 <223> OTHER INFORMATION: PCR Primer
214 <400> SEQUENCE: 8
215 gaagatggtg atgggatttc 20
218 <210> SEQ ID NO: 9
219 <211> LENGTH: 20
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/006,972

TIME: 13:02:41

Input Set : A:\RTS-0335 Sequence Listing.txt

Output Set: N:\CRF3\12202001\J006972.raw

223 <220> FEATURE:
 225 <223> OTHER INFORMATION: PCR Probe
 227 <400> SEQUENCE: 9
 228 caagcttccc gttctcagcc 20
 231 <210> SEQ ID NO: 10
 232 <211> LENGTH: 596
 233 <212> TYPE: DNA
 234 <213> ORGANISM: Homo sapiens
 236 <220> FEATURE:
 W--> 238 <221> NAME/KEY: exon:exon junction
 239 <222> LOCATION: (333)...(334)
 240 <223> OTHER INFORMATION: exon 5:exon 6b
 W--> 242 <221> NAME/KEY: exon:exon junction
 243 <222> LOCATION: (423)...(424)
 244 <223> OTHER INFORMATION: exon 6b:exon 7
 247 <400> SEQUENCE: 10
 248 ttgggggtctg ctgccccctt cttgccactg ccagggtgcc ttctggcctc gaattcctgg 60
 250 tgcagattga tcagattttg attcaccaga aggctgagcg agtggaacg ttcctagtgc 120
 252 tgggagacct gtaatcggta tgaactgcgc tctggggcct gggcagcccc tgggtcaggc 180
 254 ggccgaggag agcaactgct gcgcccgctc gtgctgtggc tgcccgccgg cctgctgcgt 240
 256 gtccgcctgg ccgaccccgg ggaccgtgag gtgctgcgtt tgctccgcc gctgcactgt 300
 258 ggctgcagct gctgccccctg tggcctccag gattctcca tccaggatgc cgatcgccag 360
 260 acagtcttgc gagtgggtggg gccctgctgg acctgtggc gtggcacaga caccaacttt 420
 262 gaggtgaaga ctccggatga atcccgagc gtgggccgca tcagcaagca gtgtgggggg 480
 264 cctggtccga gaagccctca cagatgcaga tgactttggc ctacagttcc cgctggacct 540
 266 ggatgtgagg gtgaaggctg tgetgctggg agccacattc ctcatattgac tactgt 596
 269 <210> SEQ ID NO: 11
 270 <211> LENGTH: 000
 271 <212> TYPE: DNA
 272 <213> ORGANISM: Homo sapiens
 274 <220> FEATURE:
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 277 000
 279 <210> SEQ ID NO: 12
 280 <211> LENGTH: 000
 281 <212> TYPE: DNA
 282 <213> ORGANISM: Homo sapiens
 284 <220> FEATURE:
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 287 000
 289 <210> SEQ ID NO: 13
 290 <211> LENGTH: 000
 291 <212> TYPE: DNA
 292 <213> ORGANISM: Homo sapiens
 294 <220> FEATURE:
 W--> 296 <400> SEQUENCE: 13
 297 000
 299 <210> SEQ ID NO: 14
 300 <211> LENGTH: 20 OK

do not show these in an intentionally
skipped sequence

(see item 8 on
Erra summary
sheet for valid
format)

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/006,972

TIME: 13:02:41

Input Set : A:\RTS-0335 Sequence Listing.txt

Output Set: N:\CRF3\12202001\J006972.raw

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301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
306 <223> OTHER INFORMATION: Antisense Oligonucleotide
308 <400> SEQUENCE: 14
309 cggcagctca caggagctgg                20
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313 <211> LENGTH: 20
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
319 <223> OTHER INFORMATION: Antisense Oligonucleotide
321 <400> SEQUENCE: 15
322 gcactcggca gctcacagga                20
325 <210> SEQ ID NO: 16
326 <211> LENGTH: 20
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
332 <223> OTHER INFORMATION: Antisense Oligonucleotide
334 <400> SEQUENCE: 16
335 tgcctagcac tcggcagctc                20
338 <210> SEQ ID NO: 17
339 <211> LENGTH: 20
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
345 <223> OTHER INFORMATION: Antisense Oligonucleotide
347 <400> SEQUENCE: 17
348 tggcttagtt ctggagcccc                20
351 <210> SEQ ID NO: 18
352 <211> LENGTH: 20
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
358 <223> OTHER INFORMATION: Antisense Oligonucleotide
360 <400> SEQUENCE: 18
361 tgggtgtctgg gtggcttagt                20
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365 <211> LENGTH: 20
366 <212> TYPE: DNA
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
371 <223> OTHER INFORMATION: Antisense Oligonucleotide
373 <400> SEQUENCE: 19
374 tcgagatgat ggtgtctggg                20
377 <210> SEQ ID NO: 20
378 <211> LENGTH: 20
379 <212> TYPE: DNA

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VERIFICATION SUMMARY

DATE: 12/20/2001

PATENT APPLICATION: US/10/006,972

TIME: 13:02:42

Input Set : A:\RTS-0335 Sequence Listing.txt

Output Set: N:\CRF3\12202001\J006972.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:238 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:242 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:277 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (11) SEQUENCE:
L:287 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (12) SEQUENCE:
L:297 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (13) SEQUENCE:
L:1193 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (82) SEQUENCE:
L:1206 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (83) SEQUENCE:
L:1219 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (84) SEQUENCE:
L:1232 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (85) SEQUENCE:
L:1245 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (86) SEQUENCE:
L:1284 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (89) SEQUENCE:
L:1297 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (90) SEQUENCE:
L:1310 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (91) SEQUENCE: